

Listing of Claims:

Claims 1-11 (canceled)

Sub B1

12. (New) A document processing apparatus comprising:
document data obtaining means for obtaining plural document
data each including plural pages each in a format with a page
number added, the plural document data being prepared using
5 respective different kinds of application programs;
storage means for storing the plural document data obtained
by the document data obtaining means;
selecting means for selecting plural pages from among the
plural pages included in the plural document data stored in the
10 storage means to create a virtual document;
controlling means for: (i) reading out the plural pages
selected by the selecting means from the plural document data
stored in the storage means, (ii) amending the page number added
in the format of each of the read out plural pages in accordance
15 with the virtual document created by the selecting means, and
(iii) outputting the plural pages each in the format with the
amended page number added for a printing purpose.

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13. (New) The document processing apparatus as claimed in
claim 12, wherein the controlling means masks an area for the
page number provided in the document data and adds another page

number at an area for the page number based on the virtual
document.

14. (New) A document processing apparatus comprising:

converting means for converting plural documents into plural
graphic data in page units, the plural documents being prepared
using respective application programs;

storage means for storing a virtual SPOOL file including the
plural graphic data in page units converted by the converting
means;

designating means for designating plural graphic data in
page units among the plural graphic data included in the virtual
SPOOL file, and for creating a virtual document including the
designated graphic data in page units;

page information storing means for storing a
virtual-document management file including page information
concerning the designated graphic data in page units forming the
virtual document; and

controlling means for reading out, for a printing purpose,
the plural graphic data in page units from the virtual SPOOL file
based on the page information included in the virtual-document
management file, when a printing operation is instructed based on
the page information included in the virtual document management
file.

15. (New) The document processing apparatus as claimed in claim 14, wherein:

when a real printer is designated for printing the document, the storage means temporarily stores a SPOOL file including document data converted by the converting means for a printing operation by the real printer, and deletes the SPOOL file after the real printer finishes the printing operation; and

when a virtual printer is designated for printing the document, the storage means stores a virtual SPOOL file for editing the document data converted by the converting means.

16. (New) The document processing apparatus as claimed in claim 14, wherein:

the page information storing means stores plural virtual-document management files corresponding respectively to plural virtual documents; and

the controlling means reads out the graphic data to be included in the virtual document based on the page information included in the virtual-document management file out of the plural virtual-document management files stored in the page information storing means, by which plural virtual-document management file the printing operation by the real printer is instructed.

17. (New) A document processing apparatus comprising:

converting means for converting plural documents into plural document data in page units, each document being prepared using an application program;

5 storage means for storing the plural document data in page units converted by the converting means;

instruction means for instructing editing of a virtual document;

10 displaying means for displaying page information included in the plural document data of each of the documents stored in the storage means, when the editing of the virtual document is instructed by the instruction means;

15 editing means for editing the virtual document including plural document data of the plural documents upon an instruction on the displaying means on which the page information included in the plural document data of each of the documents is displayed; and

controlling means for outputting the virtual document edited by the editing means for a printing purpose.

18. (New) The document processing apparatus as claimed in claim 17, wherein:

the displaying means displays icons representing the respective page information; and

5 the editing means edits the pages to be included in the virtual document by manipulating the icons displayed on the displaying means.

19. (New) A storage means for storing a computer readable program code, said program code comprising:

document data obtaining program code for obtaining plural document data each including plural pages each in a format with a page number added, the plural document data being prepared using
5 respective different kinds of application programs;

storage program code for storing the plural document data obtained by the document data obtaining program code;

selecting program code for selecting plural pages from among
10 the plural pages included in the plural document data stored by the storage program code to create a virtual document;

controlling program code for: (i) reading out the plural pages selected by the selecting program code from the plural document data stored by the storage program code, (ii) amending
15 the page number added in the format of each of the read out plural pages in accordance with the virtual document created by the selecting program code, and (iii) outputting the plural pages each in the format with the amended page number added for a printing purpose.

20. (New) A storage means for storing a computer readable program code, said program code comprising:

converting program code for converting plural documents into plural graphic data in page units, the plural documents being prepared using respective application programs;

storage program code for storing a virtual SPOOL file including the plural graphic data in page units converted by the converting program code;

designating program code for designating plural graphic data in page units among the plural graphic data included in the virtual SPOOL file, and for creating a virtual document including the designated graphic data in page units;

page information storing program code for storing a virtual-document management file including page information concerning the designated graphic data in page units forming the virtual document; and

controlling program code for reading out, for a printing purpose, the plural graphic data in page units from the virtual SPOOL file based on the page information included in the virtual-document management file, when a printing operation is instructed based on the page information included in the virtual document management file.

21. (New) A storage means for storing a computer readable program code, said program code comprising:

converting program code for converting plural documents into plural document data in page units, each document being prepared using an application program;

storage program code for storing the plural document data in page units converted by the converting program code;

instruction program code for instructing editing of a virtual document;

displaying program code for displaying page information included in the plural document data of each of the documents stored by the storage program code, when the editing of the virtual document is instructed by the instruction program code;

editing program code for editing the virtual document including document data of the plural documents upon an instruction by the displaying program code via which the page information included in the plural document data of each of the documents is displayed; and

controlling program code for outputting the virtual document edited by the editing program code for a printing purpose.